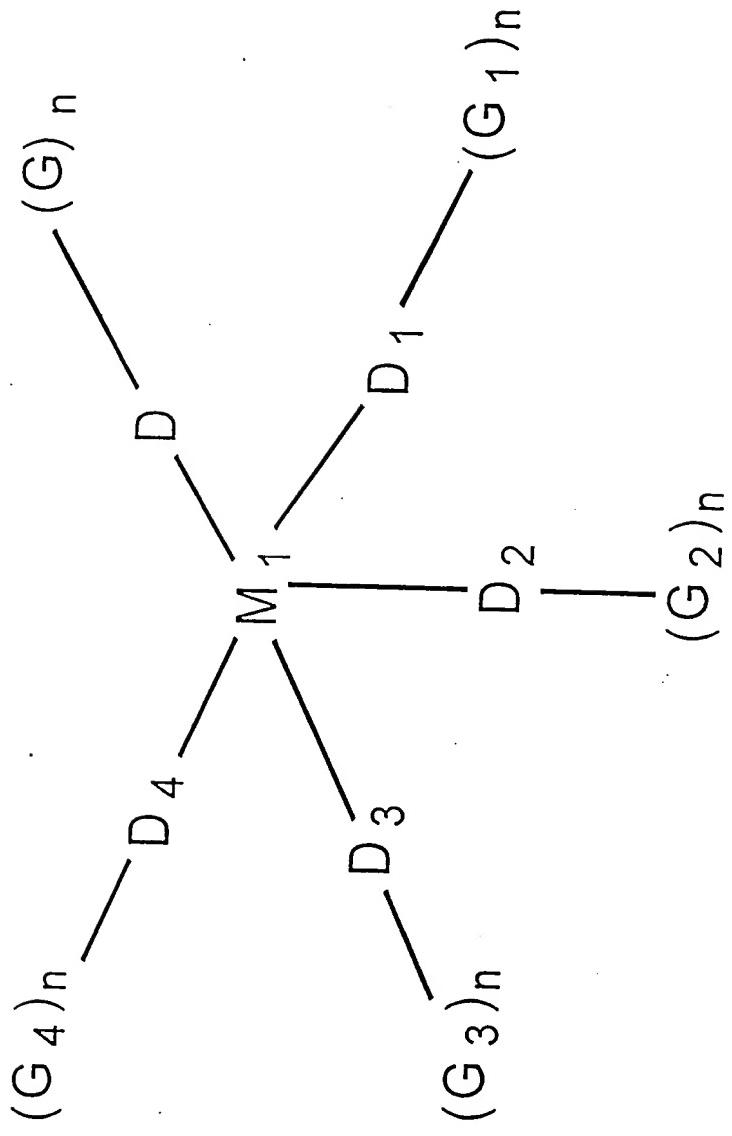


FIGURE 1

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FIGURE 2

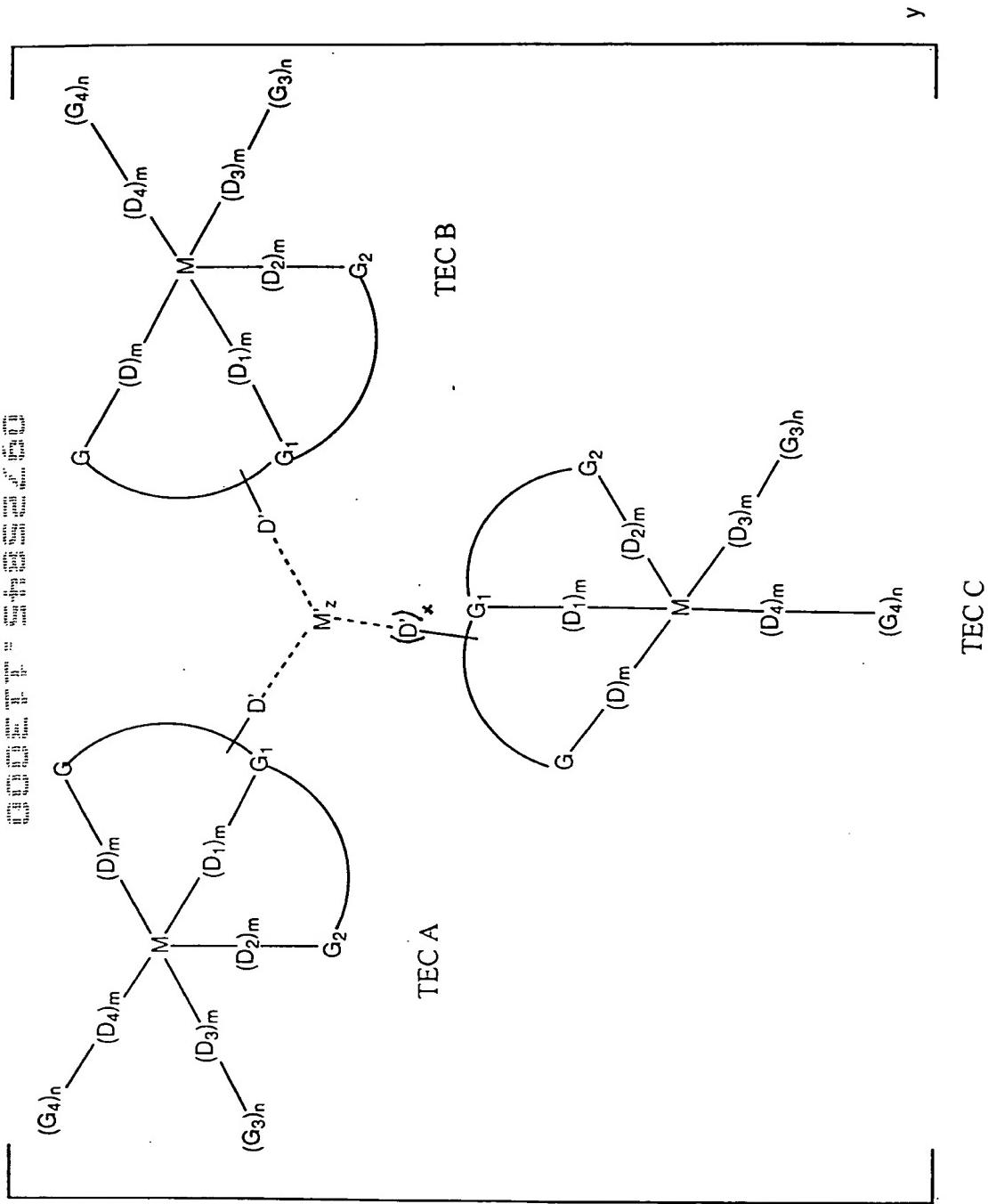
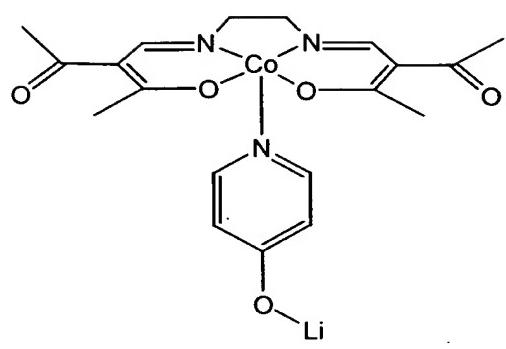
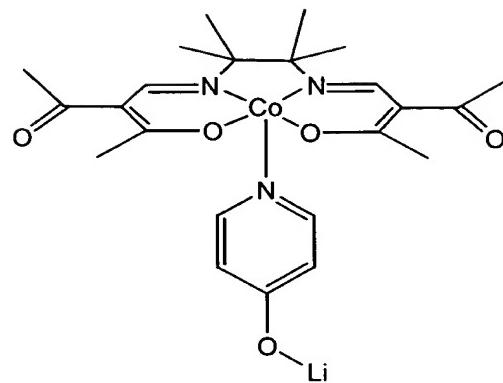


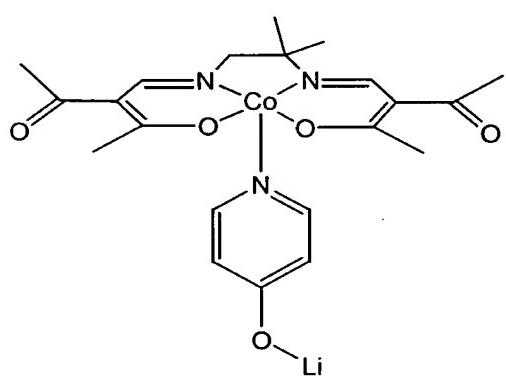
FIGURE 3



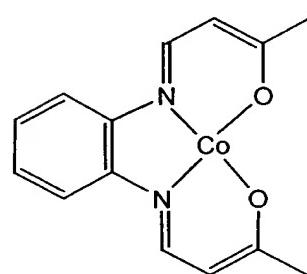
Co{Me₂Ac₂H₂malen}(4-PyOLi)



Co{Me₂Ac₂H₂maltmen}(4-PyOLi)



Co{Me₂Ac₂H₂maldmen}(4-PyOLi)



Co{Me₂H₂H₂malophen}

Figure 4

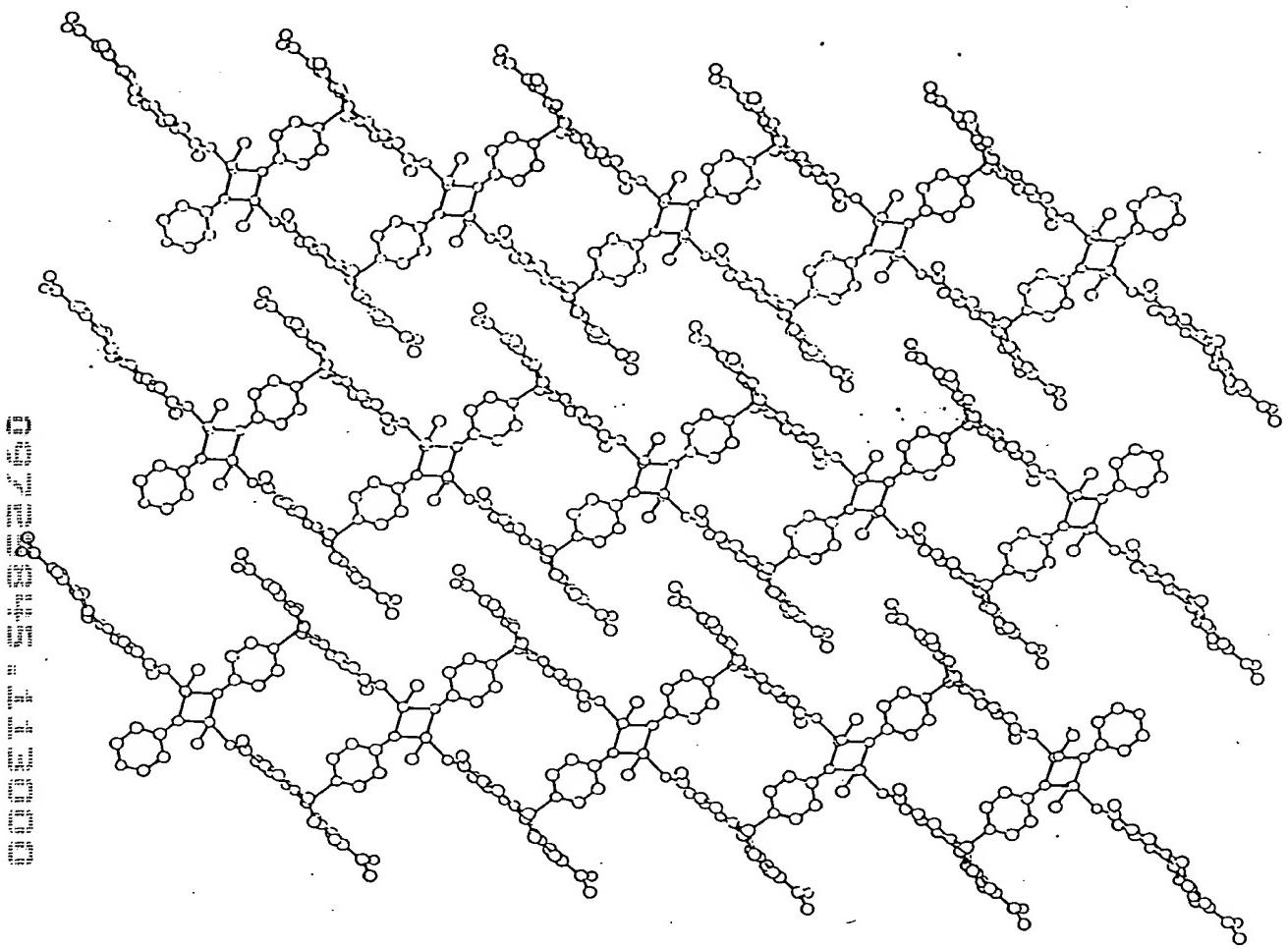


FIGURE 5 CRYSTAL STRUCTURE OF Co₂(Me₂Ac)₂Hmalen(4-PyOLi)(MeOH)

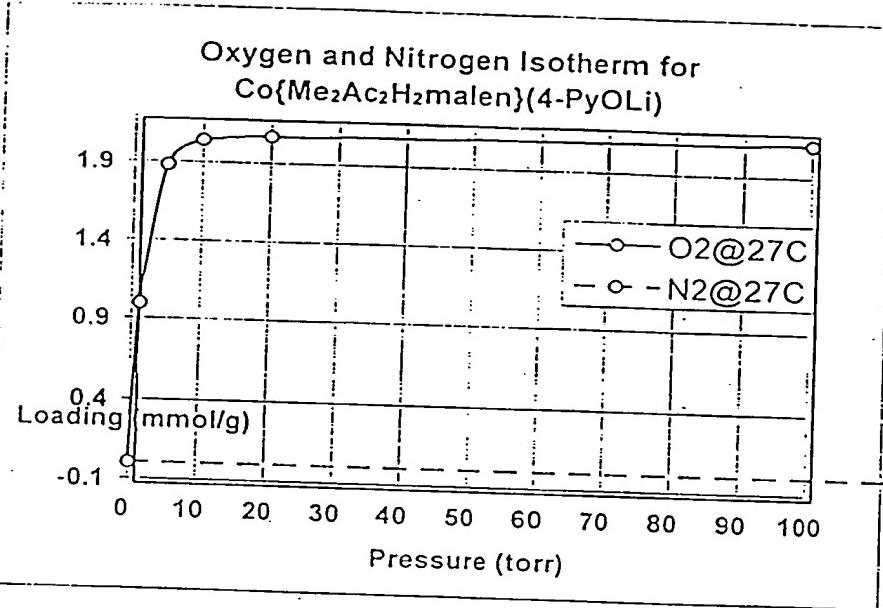


FIGURE 6 OXYGEN AND NITROGEN ISOTHERMS FOR $\text{Co}(\text{Me}_2\text{Ac}_2\text{H}_2\text{malen})(4\text{-PyOLi})$

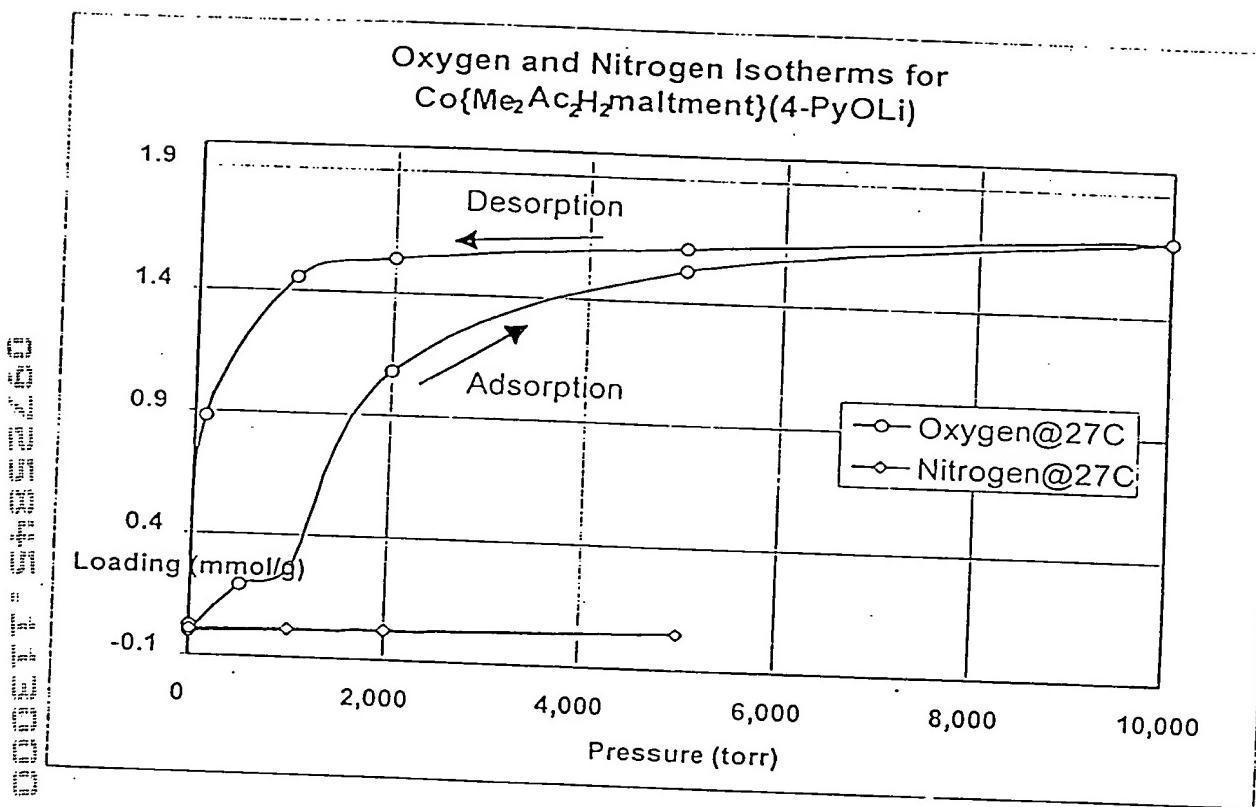


FIGURE 7 NITROGEN & OXYGEN ISOTHERMS FOR $\text{CO}(\text{Me}_2\text{Ac}_2\text{H}_2\text{malen})_2(4\text{-PyOLi})$
AT 27°C

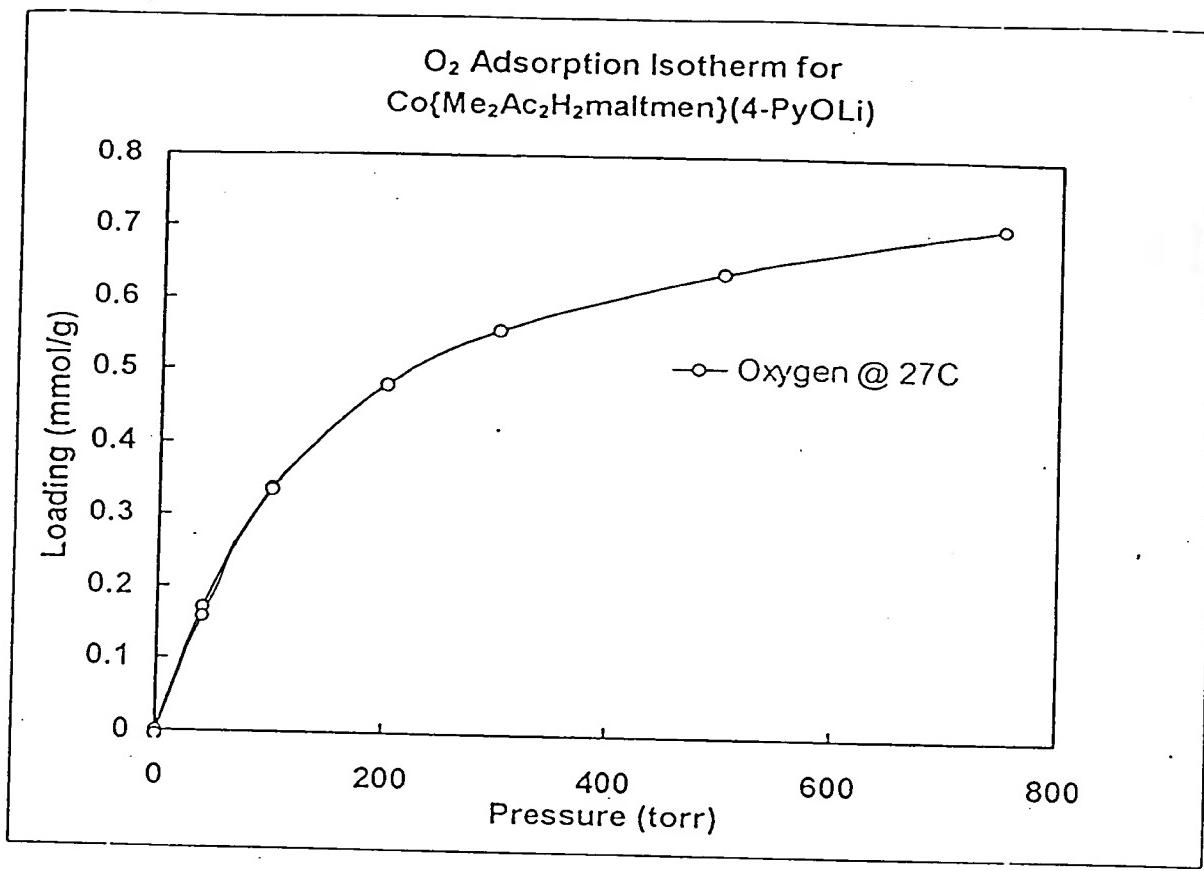


Figure 8 Oxygen Isotherm for Co{Me₂Ac₂H₂maltmen}(4-PyOLi) at 27 °C

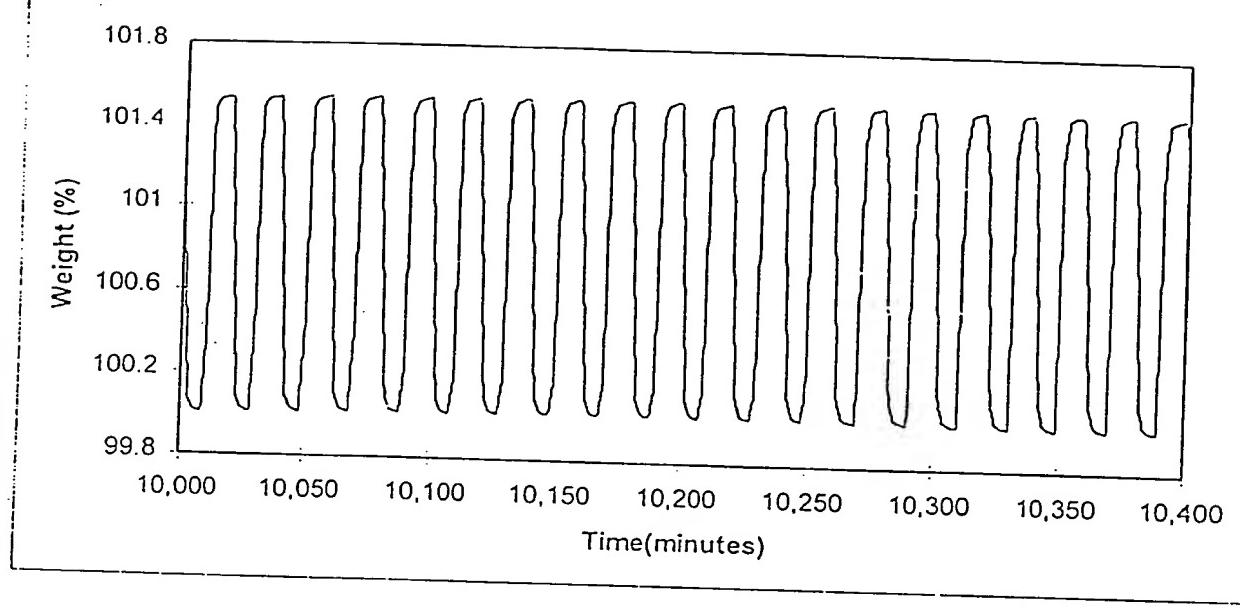


FIGURE 9

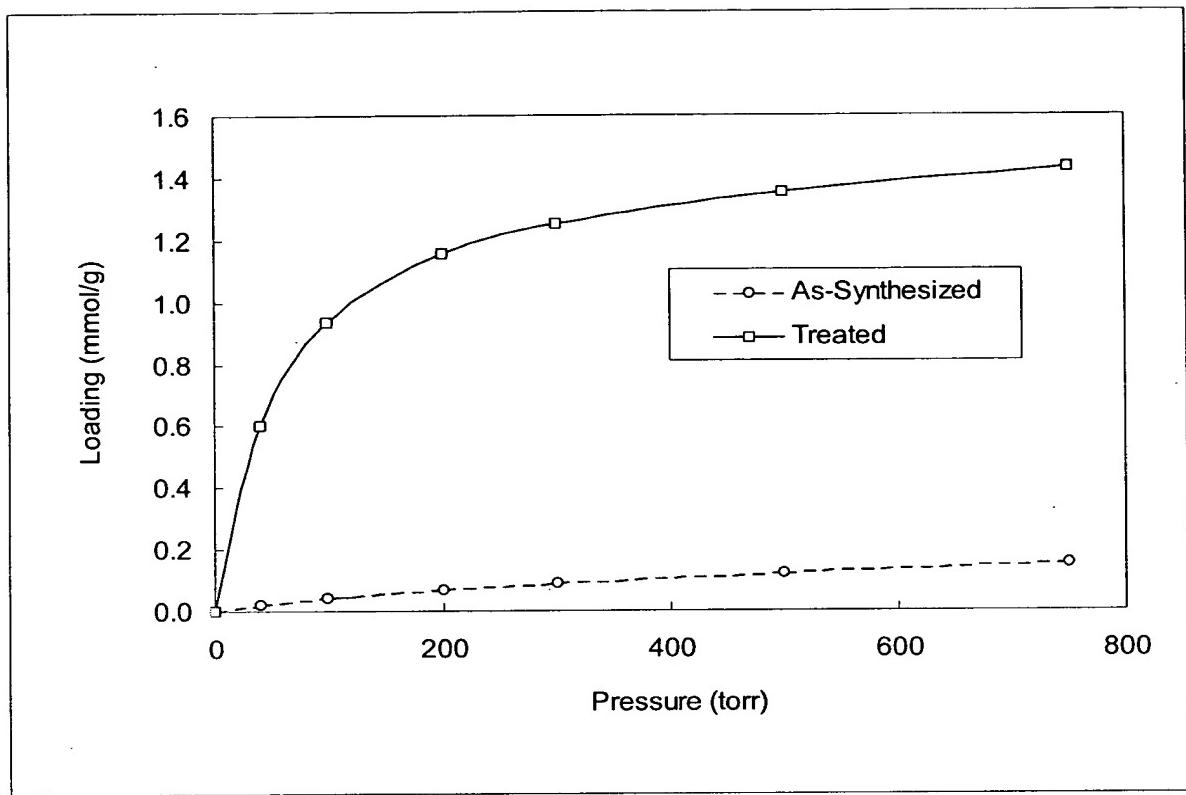


Figure 10. Oxygen Isotherms for As-synthesized and Treated
Co(Me₂Ac₂H₂maltmen) (4-PyOLi)

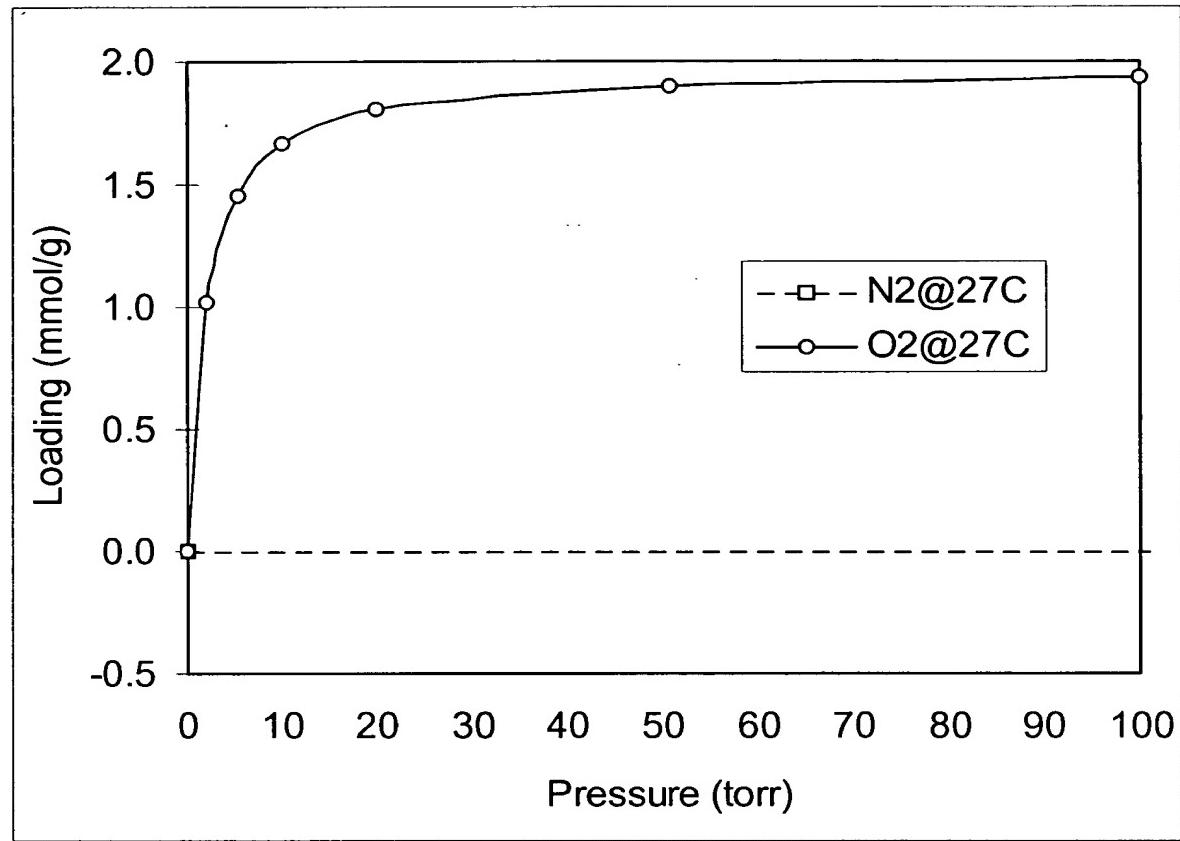


Figure 11. Oxygen and Nitrogen Isotherms for
Co(Me₂Ac₂H₂maldmen) (4-PyOLi)